

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Ming-Hsuan Yang

APPLICATION NO.:

10/621,872

FILING DATE:

July 16, 2003

TITLE:

Extended Isomap Using Fisher Linear Discriminant and Kernel

Fisher Linear Discriminant

EXAMINER:

Unknown

GROUP ART UNIT:

2621

ATTY. DKT. NO.:

23085-07128

CERTIFICATE OF MAILING

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Dated: October **29**, 2003

By: ____

Jae Won Song, 37 C.F.R. §10.9(b)

COMMISSIONER FOR PATENTS P. O. BOX 1450 ALEXANDRIA, VA 22313-01450

INFORMATION DISCLOSURE STATEMENT Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449/PTO-8A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

before	the ma	iling of a first official action after the filing of a request for						
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mailing date of the first official action on the merits, whichever event last								
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·		ed hereto is the fee set forth under 37 CFR §1.17(p) for						
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		certification after making reasonable inquiry, no item of						
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				C	ertification after making reasonable inquiry, no item of
				ir	nformation contained in this Statement was known to any
				ir	ndividual designated under 37 CFR § 1.56(c) more than
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					hereto is the fee set forth under 37 CFR §1.17(p) for
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					.97(c); OR
			after th	V	nt of the issue fee. Applicant requests that the information
					Information Disclosure Statement be placed in the file
					CFR § 1.97(i), although the information may not be
				O	e USPTO.
		This a		•	under 35 U.S.C. § 120, on the earlier filing date of prior
		-			CATION NUMBER], filed on [FILING DATE], and the
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					are hereby referenced, but are not required to be provided
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					was not received by any individual designated in 37 CFR
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	\boxtimes	Applic	ant sub	mits that r	no fee is required for the consideration of this Information
		Disclo	sure Sta	tement.	
	Consid	deration	of the l	isted refer	rences and favorable action are solicited.
					Respectfully submitted,
					MING-HSUAN YANG
•					
					By: Smula
Dated:	Octob	er <u>29</u>	_, 2003		
					Jae Won Song, 37 C.F.R. §10.9(b)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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	Complete if Kn wn				
Application No.	10/621,872				
Filing Date	July 16, 2003				
First Named Inventor	Ming-Hsuan Yang				
Art Unit	2621				
Examiner Name	Unknown				
Attorney Docket Number	23085-07128				

			U.S. PATENT DOCU	MENTS	
		Document No.			
Examiner Initials*	Cite No. ¹	Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	
	Α	US 6,112,195	8-29-2000	Burges	
	В	US RE. 36,041	1-12-1999	Turk, et al.	
	С	US 5,710,833	1-20-1998	Moghaddam, et al.	
	D	US 5,164,992	11-17-1992	Turk, et al.	

	FOREIGN PATENT DOCUMENTS					
		Foreign Patent Document				
Examiner Initials*	Cite No.1	Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Aplicant of Cited Document	Τ ⁶	
	E	WO 03/049033 A1	6-12-2003	Honda Giken Kogyo Kabushiki Kaisha		
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		OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	F	ADINI, YAEL et al., "Face Recognition: The Problem of Compensating for Changes in Illumination Direction," IEEE Transactions on Pattern Analysis and Machine Intelligence (July 1997), Vol. 19, No. 7, pp. 721-732.	
	G	BARTLETT, MARIAN STEWART, "Face Image Analysis by Unsupervised Learning and Redundancy Reduction," Doctorial Dissertation at University of California at San Diego (1998).	
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Examiner	Date	
Signature	Considered	

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PTO/SB/08A (10-01) Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO Complete if Known Application No. 10/621,872 INFORMATION DISCLOSURE Filing Date July 16, 2003 STATEMENT BY APPLICANT First Named Inventor Ming-Hsuan Yang **Art Unit** 2621 **Examiner Name** Unknown

Attorney Docket Number

		OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	J	BAUDAT, G. et al, "Generalized Discriminant Analysis Using a Kernel Approach," Neural	
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		Algorithm," Advances in Neural Information Processing Systems (2001), Vol. 13, pp. 591-597.	
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		Neural Networks for Signal Processing IX (June 1999), pp 41-48.	

Examiner Signature	Date Considered	

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Substitute for form 1449A/PTO		C mplete if Known		
INFORMATION DISCLOSU	Application No.	10/621,872		
STATEMENT/BY APPLICA	Filing Date	July 16, 2003		
OCT 3 1 2003	First Named Inventor	Ming-Hsuan Yang		
72 001 3 1 2003	Art Unit	2621		
	Examiner Name	Unknown		
heet 3 OFFADENTIAL	Attorney Docket Number	23085-07128		

		OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
	V	MIKA, SEBASTIAN et al., "Invariant Feature Extraction and Classification in Kemel Spaces,"	
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INITODMATION DISCOLOCUDE	Application No.	10/621,872	
INFORMATION DISCLOSURE	Filing Date	July 16, 2003	
STATEMENT BY APPLICANT	First Named Inventor	Ming-Hsuan Yang	
OCT 3 1 2003	Art Unit	2621	
	Examiner Name	Unknown	
heet 4 of 4	Attorney Docket Number	23085-07128	

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	НН	TEH, YEE WHYE et al., "Rate-coded Restricted Boltzmann Machines for Face Recognition,"	
<u>.</u>	TT	Advances in Neural Information Processing Systems (2001), Vol. 13, pp. 908-914.	
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	MM	International Search Report dated March 4, 2003 for International Application No. PCT/JP02/12649, filed on December 3, 2002.	
	NN	International Search Report dated August 26, 2003 for International Application No. PCT/JP03/09534 filed on July 28, 2003.	
	00	Written Opinion from International Preliminary Examining Authority dated August 26, 2003 for International Application No. PCT/JP02/12649 filed on December 3, 2002.	
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